

Bester, H.

Estimation of Average Values for the Diffusion
of Carbon, Oxygen, Hydrogen, Nitrogen and Sul-
phur in Solid and Liquid Iron.
ARCH. EISENH., 1972, Vol.43, No.3, pp.207-213.
BISI 10346

Jeschar, R. et al

Investigation into Possibilities for Influencing the Cooling Time of Rolled Products on Cooling Banks by Adjustments in Natural Ventilation of the Mill Bars.

ARCHN EISEN, 1972, Vol. 43, Mar. pp.229-36.

BISI 11081

Fix, W.

Carrier method for determination of hydrogen in
blast-furnace slags.

ARCHIV FUER DAS EISENHUETTENWESEN, Vol 43, p. 251-253,
1972

HB-8749

may 73

Abratis, H.

On the Kinetics of the Reduction of Silica in
Carbon-Containing Iron Baths.

ARCH. EISENH., 1972, Vol.43, Apr. pp.277-82.
BISI 11350

Bester, H.

*Correlation of the diffusion of carbon, oxygen, hydrogen,
nitrogen and sulfur in solid and molten iron.*

ARCHIV FUER DAS EISENHUETTENWESEN, Vol 43, 1972,

pp 283-289
NTC 73-14506-11F

Burchard, W.K.

Properties of Green Pellets as a Function of
the Morphology of the Iron Ores.

ARCHIV EISENHUTTENW., Vol. 43, 1972, No. 5,
pp.353-359.

HB 8805

Hachtel, L.

Investigations into the dissolution of lime
single crystals in $\text{FeO}_x\text{-SiO}_2$ melts.
ARCHIV FUER DAS EISENHUETTENWESEN, 1972,
pp 361-369, v. 43, n. 5.
HB-8806.

Taeffner, K.

The formation of inclusions in rimming steels.
ARCHIV FUER DAS EISENHUETTENWESEN, 1972,
pp 379-387, v. 43, n. 5.
HB-8807.

Thermodynamic Relexions on the Deoxidation of Iron
by Manganese, by P. Mani Mathew, et al.
ARCH. EISENH. 1972, Vol 43, No 5, pp 389-396.
BISI 10835

April 73

Material Flow in Three-Roll Flow Turning, by R. Kopp.
ARCH, EISENH, 1972, Vol 43, No 5, pp 397-404.
BISI 10842

April 73

O. PAWELECKI

Time Behaviour of Thermal Roll Gap Variation During
Cold Rolling of Strip.
ARCHIV FUER DAS EISENHUETTENWESEN. Vol 43, No 5,
pp 405-411, 1972.
BISI 10552

Mar 73

Erdmann-Jesnitzer, F.

Increasing the strength of metallic materials
by inducing reactions in the liquid state.
ARCHIV FUER DAS EISENHUETTENWESEN, Vol. 43,
p. 423-426, 1972.
HB-8808

may 73

de Boer, H. et al

Effect of Metallurgically-Induced Inhomogeneities of the Weld Metal on its Toughness Characteristics at Sub-Zero Temperatures.

ARCHIV EISENHUTTENWESEN, vol. 43, 1972, No.6

pp.495-502.

HB 9045

LANGE, K. W.
//ARCH. EISENH.//
--/07/1972, V----, N----,
On the Analogy Between Foaming Oxygen Top-Blown
Converters and Fluidised Beds,
BISI 11110@

Beyer, H.O. et al

Gasification of coke with CO-CO₂mixtures.
ARCHIV. EISENH., 1972, Vol.43, Aug., pp.517-
533.

#BISI 11763

Diener, A. et al

Investigations on Heat Transfer Between Ingot
and Mould During the Solidification of Steel.
ARCH.-EISEN., 1972, Vol. 43, July, pp.525-33.
BISI 10973

Brauner, J.

Correction Method for the X-Ray Fluorescence
Analysis of High-Alloy Steels.

ARCHIV EISENHUTTENW., Vol. 43, 1972,
No. 7, pp. 559-565
HB 8824

Pobinger, P.R.

Contribution to the theory of flake
formation.

ARCHIV FUER DAS EISENHUETTENWERSEN, 1972,
pp 577-581, v. 43, n. 7.
HB-8821.

Hussmann, W.

Effect of small amounts of cold work and different
aging conditions on the notched-bar impact
strength of structural steels for general use.
ARCHIV FUER DAS EISENHUETTENWESEN, v. 43,
p. 613-618, 1972.
NTC 73-10918-11F

Holler, P.

Measurement of Cross Section of Round Wire Rod
and Round Steel Bar by Means of Eddy Currents,
using Encircling Coils.

ARCHIV EISENHUTTENW., Vol.43, 1972, No.8,
pp.623-629.

HB 8864

Feichtinger, H.

Rapid determination of hydrogen in (ferrous) metals.

ARCHIV FUR DAS EISENHUTTENWESEN, Vol 43, No 9, 1972,

pp 693-697

HB Trans 8871

Steffens, H.D.

Corrosion Phenomena in Welded Joints in Ship-building Steels.
ARCH. EISEN, 1973, Sept., Vol.43, pp.705-717.
BISI 11664

Randak, A.

Testing the Hardenability of Low Hardness Penetration Steels by Means of Modified End Quench Test Bars.
ARCH. EISENH., 1972, Oct., Vol.43, No.10,
pp.763-768.
BISI 11492

Blume, A.

Layout of Stretch Reducing Tube Mills with Aid
of Diagrams.
ARCH. EISEN, 1973, Vol.10, Oct, pp.797-802.
BISI 12056

Wenzel, W.

The reduction of iron ores with hydrogen in the
two-component fluidized bed.

ARCHIV EISENHUTTENW., vol. 43, 1972, #11, pp.

805-809

HB 8913

may 73

Slickers, K.

Emission spectrometric analysis of free-cutting steels with combined mean voltage excitation in argon.

ARCHIV EISENHUTTENW., vol. 43, 1972, #11, pp.

819-821

HB 8914

may 73

Meyer, L. et al

Metallurgical Investigations on the Effect of
TiIN Unalloyed Structural Steel.

ARCH. EISENH., 1972, Vol. 43, Nov. pp.823-32.

BISI 11215

MAAS, H.

//ARCHIV FUER DAS EISENHUETTENWESEN//

--/--/1972, V0043, N----

Reactions of High Alloy Iron-Chromium Melts with
Reflectory Materials Containing Silica,
pp 873-877, NTC 74-11150-1116@

0 BISI 12064

③ 12064 O.A. Trans 1330

Blazejak-Ditges, D.

On the Determination of Zirconium in Highly-Alloyed Steels.

ARCHIV EISENHUTTENWESEN, vol. 43, 1972, No.12

pp. 887-888.

HB 8946

Buch, A.

Evaluations and Assessment of the Effect of
Size in Fatigue Tests on Unnotched Specimens
and Components.

ARCH. EISEN., 1978, V.43, pp.895-900.

BISI 11933

2

Miska, H.

Behavior of Oxygen in Electroslag Remelting.
ARCHIV EISENHUTTENWESEN, Vol.44, 1973, No.1,
pp.19-25.
HB 8993

Shutza, A.

Rolling Phenomena in the Roll Gap in the Breaking-
Down Pass

ARCH. EISEN, 1973, 44, (1), pp 35-40
BISI 11565

Konig, P.

A new process for the determination of hydrogen
in steel and its application in quality control
ARCHIV EISENHUTTENW., vol. 44, 1973, #1, pp. 41-45
HB 8992

B151 11230

may 73

Kunze, H.D.

Effects of the Elements Chromium, Manganese,
Cobalt, Nickel, Molybdenum, and Tungsten on
the Diffusion of Nitrogen in Liquid Iron Alloys
ARCHIV EISENHUTTENWESEN, Vol.44, 1973, No. 2,
1973, No.2, pp.71-80.
HB 9002

[REDACTED] Miska, H.

Behavior of Sulfur in the Electroslag Remelting Process.

ARCHIV EISENHUTTENWESEN, Vol.44, 1973, No. 2,
pp.71-80.
HB 9003

Fischer, W.A.

The Deoxidation, Desulfurization, and Elimination of Nitrogen From Liquid Iron Containing Oxygen, Sulfur and Nitrogen by Additions of the Rare-Earth Metals Cerium and Lanthanum.

ARCHIV EISENHUTTENWESEN, Vol.44, 1973, No. 2,
pp.87-95.
HB 9004

FISCHER, W.
//ARCHIV FUER DAS EISENHUETTENWESEN//

--/--/1973, V0044, N0002,

The Effect of Additions of Rare Earth Metals on
the Properties of Structural Steel, Type ST 52-3,
pp 97-109, NIC 74-10597-11FC@

Schonfeld, H. et al

Precipitation Behavior of a Columbium-Stabi-
lized Austenitic Chrome-Nickel-Molybdenum
Steel with High Strength at High Temperatures.
ARCHIV EISENHUTTENWESEN, vol. 44, 1973, No.2
pp.131-133.

HB 9006

Nechtelberger, E. et al

Contribution to the Rapid Determination of the
Creep Rupture Behaviour of Steel According to
the Method of Rajakovics.

ARCHIV FUR DAS EISENHUTTENWESEN, Feb., 1973,

No. 2, pp. 141-143.

*BISI 11515 ✓ pp 141-143

A. R. Bucherer

Determination of the Mean Atomic Number of
Alloys in Quantitative Microprobe Analysis.
ARCH EISEM, Vol 44, No 2, Feb 1973, pp 143-147.
BESI 11449

Sept 73

PILOUS. V.
//ARCHIV EISENHUTTENWESEN//
--/--/1973, V0044, N0002

Structure and creep rupture strength of weld
metal of low alloy high temperature steels for
turbine construction
pp 149-150 H. B. Trans 9001#

Zitter, H.

Solubility of Nitrogen in Pure Iron and Austenitic Chromium-Nickel Steels.
ARCH EISENH., 1973, Vol. 44, March, No. 3,
pp.181-188.
BISI 11505

Schmitz, Joachim A.

Contribution to the Sensitivity to Hot Shortness of Low Alloy Steels.

ARCH. EISENHUTTENWES, Vol.44, 1973, No.3, pp.
207-210.

BISI 11677

E. Nechtelberger, et al

Contribution to the Rapid Determination of the
Creep Rupture Behaviour According to Method of
Rajakovics.

ARCH EISEN, No 4, Feb 1973, pp 135-141.
BISI 11515

Sept '73

Neuhauser, H.J.

Lowering the Martensite Temperature by Incoherent Particles in the Austenite.

ARCH. EISEN, 1973, V.44, pp.235-240.

BISI 11929

Fischer, W.A.

The Electrical Conductivity and Thermolectric Force of Pure and Calcium Oxide-Stabilized Zirconium Oxide at Temperatures Between 1000 and 1700 C and Oxygen Partial Pressures Between 1 and 10^{-16} ATM.

ARCH. EISEN, 1973, Vol.44, No.4, pp.251-259.
BISI 11563

Piispanen, V.

The Theory of Simulated Sliding for Flat Rolling,
ARCH. EISEN, 1973, Vol.44, April, No.4, pp.261-
265.

BISI 11681

Feichtinger, H.K.

Rapid Sampling and Determination of Hydrogen
in Commercial Steel Melts.

ARCHIV EISENHUTTENW., Vol.44, 1973, No.4, pp.
277-281.

HB 9067

Schmidt, W.

The Effect of an Interruption in Mechanical
Loading on the Creep Behavior of a High Hot-
Strength Steel.

ARCHIV EISENHUTTENW., Vol.44, 1973, No.4, pp.
291-296.

HB 9068

Troost, A.

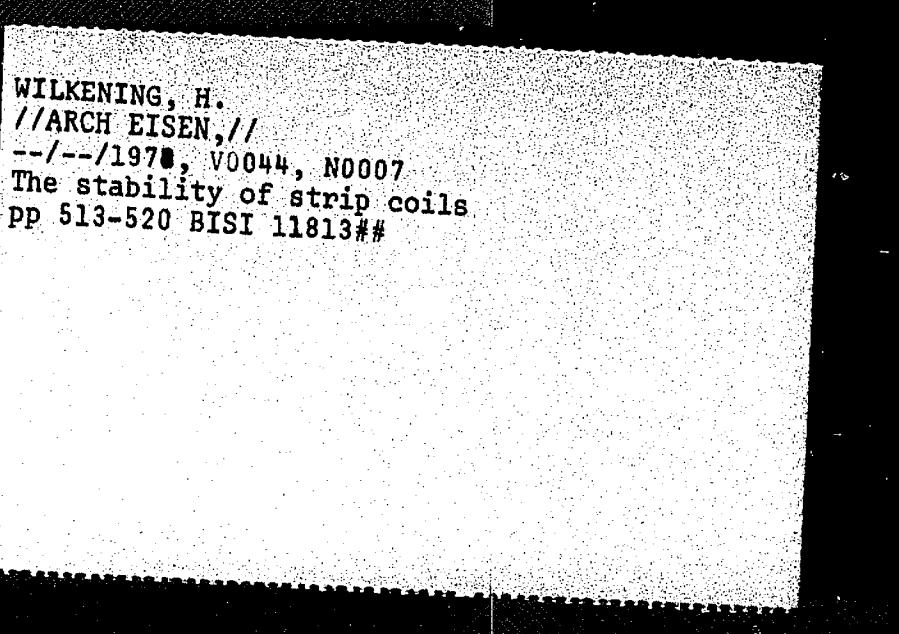
On the Elementary Theory of Axisymmetrical Forward Extrusion; Determination of Geometry and Force Using Variation Calculations.

ARCH EISEN, 1973, Vol. 44, pp.315-320.

BISI 11605

Konig, P.

Testing and Evaluation of Probes for Sampling
Molten Iron and Steel.
ARCH. EISENHUTTENWAS, 1973, Vol.44, No.6,
pp.469-476.
*BISI 11753



WILKENING, H.
//ARCH EISEN,//
--/---/1970, V0044, N0007
The stability of strip coils
pp 513-520 BISI 11813##

Muller, H.

Investigation of Heat Transfer in a Simulated
Secondary Cooling Zone in the Continuous Cast-
ing Process.

ARCHIV EISENHUTTENWESEN, Vol.44, 1973, No.8,

pp.589-594.

HB 9126

Koch, W.

Automation of a Rapid Combined Method for Carbon
and Sulfur in Steel and Pig Iron.
ARCHIV EISENHUTTENWESEN, Vol. 44, 1973, No. 8,
pp. 629-633.
HB 9125

Riecke, E.

On the Hydrogen-Induced Brittle Fracture of
High-Strength Steels.
ARCHIV EISENHUTTENW., Vol.44, 1973, No.9,
pp.647-656.
HB9187

FITZER, E.
//ARCHIV EISENHUTTENW.//
--/--/1973, V0044, N0009,
Classical Sintering, Reactive Sintering, and Hot
Pressing of High-Melting-Point AB₂ Hard Alloys,
pp 703-709, HB 9186@

Oeters, F.

Desulphurization-Kinetics of Pig Iron with
Lime and Natural Gas.
ARCH. EISENHUTTENWES. 1973, V.44, N.10, Oct.,
pp.727-733.
BISI 11937

Schurmann, E.

Manufacture of Low-Carbon, Stainless Austenitic
Chromium-Nickel Steels Using the Argon-Oxygen
Decarburization Process.

ARCH. EISENHUTTENWES, V.44, Oct., 1973, N. 10
pp.761-768.

BISI 11952

Feichtinger, H.K. et al

Rapid Sampling and Analysis of Hydrogen industrial Steel Heats.
ARCH. EISENH., 1973, Vol.44, No.11, pp.277-
281.

*HB 9067

Lange, K.W.

Determination of the top-blowing rates causing
the overflow of BOP converters and of the size
of fluid particles in gas flows.

ARCH. EISEN., 1973, Vol.44, No.11, pp.813-820.
BISI 12062

Marincek, B.

Optimization of the Gas Reduction/Sponge Iron Process.

ARCHIV F. D. EISENHUTTENW., Vol.44, 1973,
No.12, pp.887-891.
HB 9192

BUKLER, H.
//ARCH EISEN,//
--/--/1973, V0044, N0012,
Relationship between residual stresses and
flatness defects in cold-rolled sheet,
pp 899-906, *BISI 12426@0

KIPINECK, H. J.
//ARCH. EISEM//
--/--/1974, V0045, N0001,
Non-Destructive Inspection of Working Rolls for
Cold Rolling Mills,
pp 33-38, BISI 12173@@

WENZEL, W.
//ARCHIV EISENHUTTENWESEN,//
--/1974, V0045, N0002,
Material exchange between molten iron and slag
in the spray refining
pp 69-75 HB 9230##

KURZ, W.
//ARCHIV EISENHUTTERW.//
---/--/1974, V0045, N0002,
Ultrasonic Testing of Hot Semi-Finished Steel at
About 1000° C,
pp 99-105, HB 9221@@

LEGAT, A.
//ARCHIV EISENHUTTENW.//
--/-/1974, V0045, NOC02,
Relationship ;Between Structural Make-Up and the
Toughness of High-Strength Structural Steels,
pp 133-136, HB 9123@

KOCH, W.
//ARCHIV EISENHUTTENWESEN,/
--/-1974, V0045, N0003
Optimization of X-ray fluorescence analysis
in Iron and steel plant laboratories
pp 147-154 HB9250#

Heinritz, M.

Nondestructive Determination of the Shape of
Manganese Sulfide Inclusions in Free-Cutting
Steel Billets by Measurement of the Ultrasonic
Velocity.

ARCHIV EISENHUTTENW., Vol. 45, 1974, No. 3, pp.

175-178.

HB 9246

BECKER, W.

//ARCHIV DER ELEKTRISCHEN UEBERTRAGUNG//

--/---/1959, V0013, N----

The general method of the station Lindau' Harz
for the determination of the true electron density
in the ionosphere,
pp 373-382, NTC 74-11539-04A##

KETTEL, ERNEST

//ARCHIV DER ELEKTRISCHEN UBERTRAGUNG//

--/05/1964, V0018, N----

An automatic optimizer for condensation of the
Pulse equalizer in a data transmission 20 pp

pp no given FSTC-NT-23-941-74

DISTRIBUTION LIMITED TO US.GOV; T AGENCIES ONLY##

Herrmann, O.

Transversal filters for hilbert transformation.
ARCHIV DER ELEKTRISCHEN UEBERTRAGUNG, 1969,
p. 581-587, v. 23, n. 12.
NTC 73-12373-17B

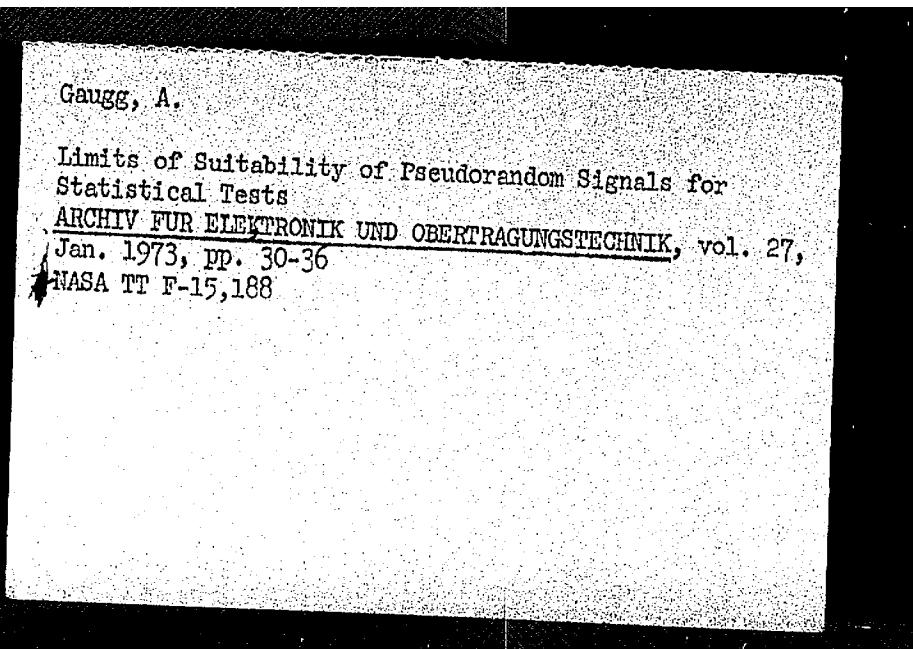
Wendland, B.

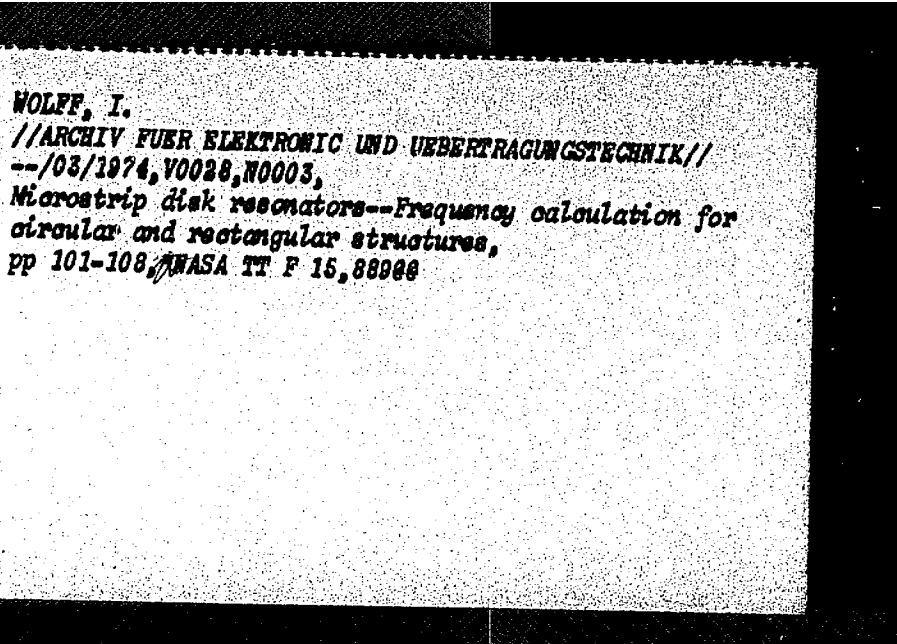
Data-compressing coding of correlated source signals.
ARCHIV FUER ELEKTRONIK UND UEBERTRAGUNGSTECHNIK, Vol 26,
1971, pp 161-168
NTC 73-14719-09D

Kaden, H.

*Shielding action and metallic envelopes against magnetic
pulse fields.*

ARCHIV FUER ELEKTRONIK UND UEBERTRAGUNGSTECHNIK, Vol 25,
No 12, 1971, pp 549-556
NTC 73-13653-20C





WOLFF, I.

//ARCHIV FUER ELEKTRONIC UND UEBERTRAGUNGSTECHNIK//

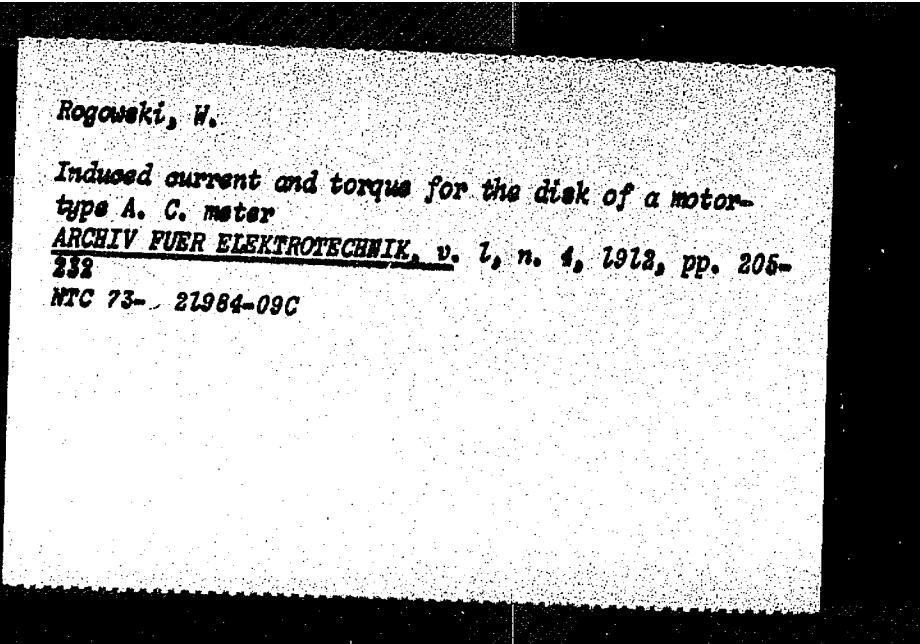
--/03/1974, V0028, N0003,

Microstrip disk resonators--Frequency calculation for
circular and rectangular structures,
pp 101-108, NASA TT F 15, 88988

A. SCHOENHAGE

Fast Multiplication of Large Numbers.
COMPUTING. ARCHIV FUER ELEKTRONISCHES RECHNEN
ARCHIVES FOR ELECTRONIC COMPUTING, Vol 7, pp281-292,
1971.
NTC 73-10084-12A

Mar 73



K. REICHERT

The Calculation of Coreless Furnaces with Electrically Conducting Crucibles.

ARCHIV FUER ELEKTROTECHNIK, Vol 49, pp 376-397, 1965.
NTC 73-10027-09C

Mar 73

Grotstollen, H.

Operating behavior and parameters of a single
phase induction motor with an incomplete cage.
ARCHIV FUER ELEKTROTECHNIK, v. 51, p. 364-377,
1968.

NTC 73-11050-09C

LOW FREQUENCY NOISE MEASUREMENTS IN LOW LEVEL
NOISE SEMICONDUCTOR SAMPLES WITH

STOLARSKI, E . LANGUAGE-PO COUNTRY-PO

ARCHIWUM ELEKTROTECHNIKI, XX/3, 1971, PP. 573-
85

FSTC-HT-23-0495-74

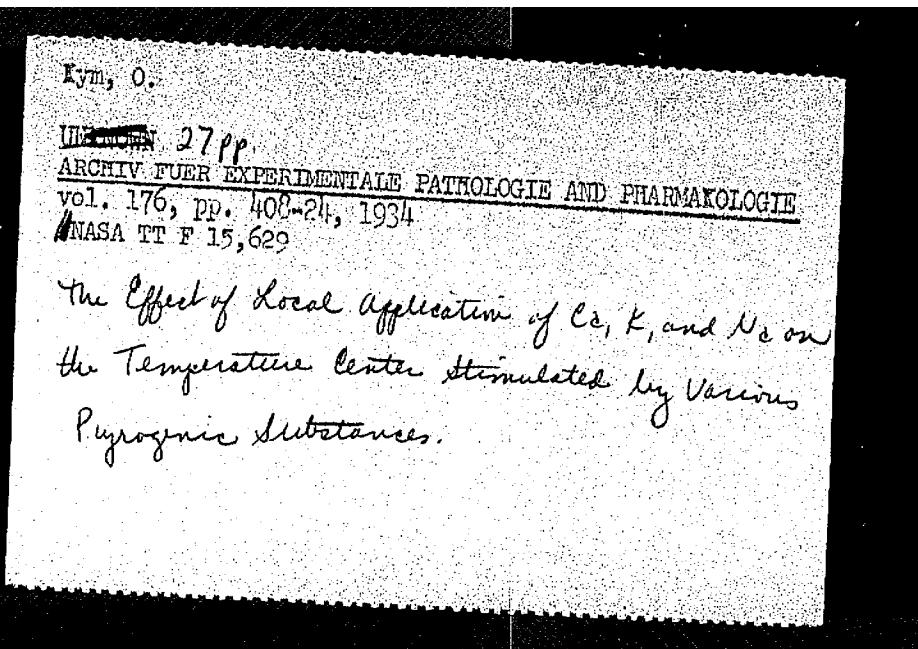
H. Freund

On table salt fever. 21 pp.
ARCH. EXP. PATHOL. PHARM. (LEIPZIG), Vol 65, 1913,
pp 225-338
NASA TT F 14,677

apr 73

HASAMA, B.
//ARCHIV FUER EXPERIMENTELLE PATHOLOGIE UND PHARMAKOLOGIE/
--/1929, VOL 146, N----,
Pharmacological and physiological studies of perspiration,
pp 129-161, NASA TT F 15, 89988

HASAMA, B.
//ARCHIV FUER EXPERIMENTELLE PATHOLOGIE UND PHARMAKOLOGIE/
---/1930, V0152, N----,
Pharmacological and physiological studies of perspiration,
pp 257-290, NASA TT F 15, 89866



NICHELMANN, M
//ARCHIV FUR EXPERIMENTELLE VETERINARMEDIZIN//
--/--/1970, V0024, N0003,
Metabolic Changes in Pigs During Local Cooling of
the Body Surface, 7pp
pp 809-815, •ACSI-K-498300

NICHELMANN, N.
//ARCHIV FUR EXPERIMENTELLE VETERINARMEDIZIN//
--/--/1970, V0024,N0003,
Consensual Vascular Reactions in Pigs Adapted to Cold /3-pp
pp 801-808, ACSI-K-498200

JANCKE, S.
//ARCH EXP. VETERINAERMED. (LEIPZIG)
--/-/1971, V0025, N----,
*Clinical and experimental investigations with sernyl
and combelen for immobilization of ruminants, 10 pp*
pp 847-852, NASA TT F 15422@

GROPPEL, B.
//ARCHIV FUER EXPERIMENTELLE VETERINAERMEDIZIN//
--/--/1971, V0025, N----, pp 0817-0821
Zinc deficiency in ruminants
NTC 74-12672-02E
#

DIMKOVIC. R.
//ARKHIV ZA FARMATSIJU//
---/---1970, V0020, N0002
Susceptibility toward penicillin 14 pp
pp 131-138 AIR/FTD/HC-23-2700-74
DISTRIBUTION LIMITED TO US GOVERNMENT AGENCIES
ONLY COPYRIGHT INFORMATION OTHER REQUEST FOR
THIS DOCUMENT MUST BE REFERRED TO FTD#

Gasparec, Z.

The Pharmacist in the Field of Chemical
Toxicology in the Chemical Laboratories of
the Health Service, 8 pp.
ARHIV ZA FARMACIJU, Belgrade, No 4, 1972,
pp 225-229.
JPRS 59695

Sep 73

Katalinic, A.

Role of Pharmacists in Nationwide Defense
System Discussed, 14 pp.
ARHIV ZA FARMACIJU, Belgrade, No 2, 1973,
pp 117-124.
JPRS 59511

Jul 73

Gagovic, A.

Use and Sale of Drugs in Belgrade Discussed,
8 pp.
ARHIV ZA FARMACIJU, Belgrade, No 3-4, 1973,
pp 227-232.
JPRS 61920

Jul 74

Experiments on Fermentative Ensilage of
Fish. Part II. The Bacterial and Chemical
Processes in Ensilage, by Rudolf Kreuzer.
GERMAN, per, Archiv fur Fischereiwissen,
Vol 5, 1954, pp 47-58.

Dept of Interior
Bureau of Commercial Fisheries
Office of Foreign Fisheries
No A-28/May 69/157
On Loan Only

Sci-B&M
July 69

388,649

Koops, H.

A feeding experiment with stock eels in the
river pond farm at mueden-on-mosel.

ARCHIV FUER FISCHEREIWISSENSCHAFT, n. 12, 1965,
p. 36-44
NRC C-11871